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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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(Use as many sheets as necessary)

Complete if Known Application Number 10/074,832 Filing Date February 13, 2002 First Named Inventor Kelliher, Timothy Art Unit 2161 **26**35 **Examiner Name** To be assigned Attorney Docket Number PED-0202-US

| Sheet | 1 | of 2 | | Attorney Docket Number PED-0 |)202-US |
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| | | | II S PATENT | DOCUMENTS | |
| Examiner Initials* | Cite No. ¹ | Document Number Number-Kind Code ^{2 (# known)} | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| >1 | 1 | ^{US-} 4,393,492 | | Bishop | |
| | 2 | ^{US-} 4,730,311 | | Carse et al. | |
| | 3 | ^{US-} 5,260,937 | | Eames et al. | |
| | 4 | ^{US-} 5,390,239 | | Morris et al. | |
| | 5 | ^{US-} 6,349,123 | | Kim | |
| | 6 | ^{US-} 5,905,778 | | Shires | |
| | 7 | ^{US-} 5,923,671 | | Silverman | |
| | 8 | ^{US-} 6,005,873 | | Amit | |
| | 9 | ^{US-} 6,009,106 | | Rustad et al. | |
| T | 10 | ^{US-} 6,061,392 | | Bremer et al. | |
| | 11 | ^{US-} 6,084,874 | | Nguyen et al. | |
| | 12 | ^{US-} 6,160,808 | | Maurya | PRO |
| | 13 | ^{US-} 6,198,749 | | Hui | - 1 |
| | 14 | ^{US-} 6,324,212 | | Jenness | |
| | 15 | us- 6,373,852 | | Foladare | 2 M |
| 1 | 16 | ^{US-} 6,014,431 | | McHale et al. | |
| 1 | 17 | ^{US-} 6,160,843 | | McHale et al. | 9 |
| 7 | 18 | ^{US-} 6,169,788 | | McHale et al. | |
| 1 | | US- | | | |

| | | FOREIGN | PATENT DOCU | IMENTS | | |
|-----------------------|--------------------------|---|-----------------------------|--|---|----|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | т6 |
| | | Country Code ³ -Number ⁴ -Kind Code ⁵ (if known) | IVIIVI-DD-1111 | | Of Relevant Figures Appeal | |
| 21 | 19 | WO 99/20033 | | Locklear et al. | " | |
| ~1 | 20 | H1175 | | Georgio | | |
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| Examiner Signature | Danie & | Date Considered | 4/28/04 |
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Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known **Application Number** 10/074,832 INFORMATION DISCLOSURE **Filing Date** February 13, 2002 STATEMENT BY APPLICANT First Named Inventor Kelliher, Timothy Art Unit 2161 (Use as many sheets as necessary) **Examiner Name** To be assigned Attorney Docket Number Sheet of 2 PED-0202-US

| | | NON PATENT LITERATURE DOCUMENTS | |
|--------------------|----|---|----------------|
| Examiner Cite No.1 | | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| 21 | 21 | "X-Cel & GDSL System V.90 RIs@ Analog Modem Support," GoDigital Networks-Technical Note, 7 pages, January 23, 2001. | |
| 1 | 22 | "Connection Optimized Link Technology," White paper, Ramp Networks, 6 pages, (1998). | |
| | 23 | "Powerful Internet and Remote Access Platform," WebRamp 361i, 2 pages, March 2000 | |
| | 24 | "Dualing Modems Reach 112K," Wired News, 3 pages, February 3, 2000 | |
| | 25 | "SupraSonic Dual Modem: Twice is Nice," PCWorld.com, 3 pages, July 27, 1998 | |
| | 26 | "Copper Edge 200 RT DSL Concentrator," 4 pages, August 2001 | |
| 27 | 27 | "Multi-Tenant Unit Profitability Analysis," 10 pages, December 2000 | |
| | | RECEIVED APR 1 4 2004 GROUP 3600 | |
| | | APR 1 4 2004 | |
| | | GROUP 2000 | |
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| First Named Inventor | Kelliher | 0 | | | | | | |
| Group Art Unit | 2161 | | _ _ | | | | | |
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| | | | | U.S. PATENT DOCUMEN | TS | |
|-------------------------|--------------|------------------------|--|---|--|--|
| Examiner Initials* | Cite No.1 | U.S. Patent (| Document Kind Code ² (if known) | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | A1 | 6,160,843 | | McHale et al. | 12/12/00 | |
| 1 | A2 | 5,668,857 | | McHale | 09/16/97 | |
| | A3 | - 6,169,788 | B1 | McHale et al. | 01/02/01 | |
| • | A4_ | 6.014.431 | | McHale et al. | 01/11/00 | |
| | A5 | 5,898,761 | | McHale et al. | 04/27/99 | |
| - L | A6 | 5,852,655 | | McHale et al. | 12/22/98 | • |
| $\overline{\leftarrow}$ | A7_ | 6,349,123 | B1 | Kim | 02/19/02 | |
| 21 | A8 | Ser. No. 10/159496 | | Kelliher | Filing Date 05/31/02 | |
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| FOREIGN PATENT DOCUMENTS | | | | | | | | |
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| Examiner Ci Initials* No | | Office ³ | Number⁴ | Kind Code ⁵ (if known) | Name of Patentee or Applicant of Cited Document | Cited Document MM-DD-YYYY | Where Relevant Passages or Relevant Figures Appear | T ⁶ |
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